



EERMC Public Education Efforts in 2018



Joint EERMC & National Grid 2018 sponsorship of the Energy Expo: April 5th – 8th

> Over 250 students from 24 Rhode Island career tech schools helped to construct a demonstration project that showcased the components of a home energy assessment

> Energy Fellows from the University of Rhode Island helped explain the demonstration displays, sign people up for free energy assessments, and direct visitors to tours of the Innovation Hub

> 270 energy audit sign-ups were completed

> 24,794 LEDs were sold as part of 1,771 energy efficiency kits (14 LEDs per kit)

**68TH ANNUAL
RI HOME SHOW**
April 5-8, 2018
RI CONVENTION CENTER

Enjoy

- RI **SPRING & FLOWER GARDEN SHOW**
- 10,000 SQ FT OF GARDENS**
- SPRINGTIME FLORAL FUSION**
- HANGING GARDENS**
- OUTDOOR LIVING**

Learn

- energy expo**
- ENERGY EFFICIENCY SHOWCASE**
- nationalgrid ENERGY INNOVATION HUB**

Explore

- HOME TECH EXPERIENCE**
- 10 ROOM HOME DESIGN HUB**
- KITCHENS & BATHS**

Find

- DECOR STORE**
- RI Living RESOURCE CENTER**
- AARP HOME SOLUTIONS HUB**
- OVER 300 EXHIBITS & SEMINARS**

BUY TICKETS

IT'S ALL NEW! IT'S ALL HERE!

INFO EXPLORE ENJOY LEARN FIND EXHIBITORS

THE RI HOME SHOW

THE BENEFITS OF BLOWER DOOR TESTING

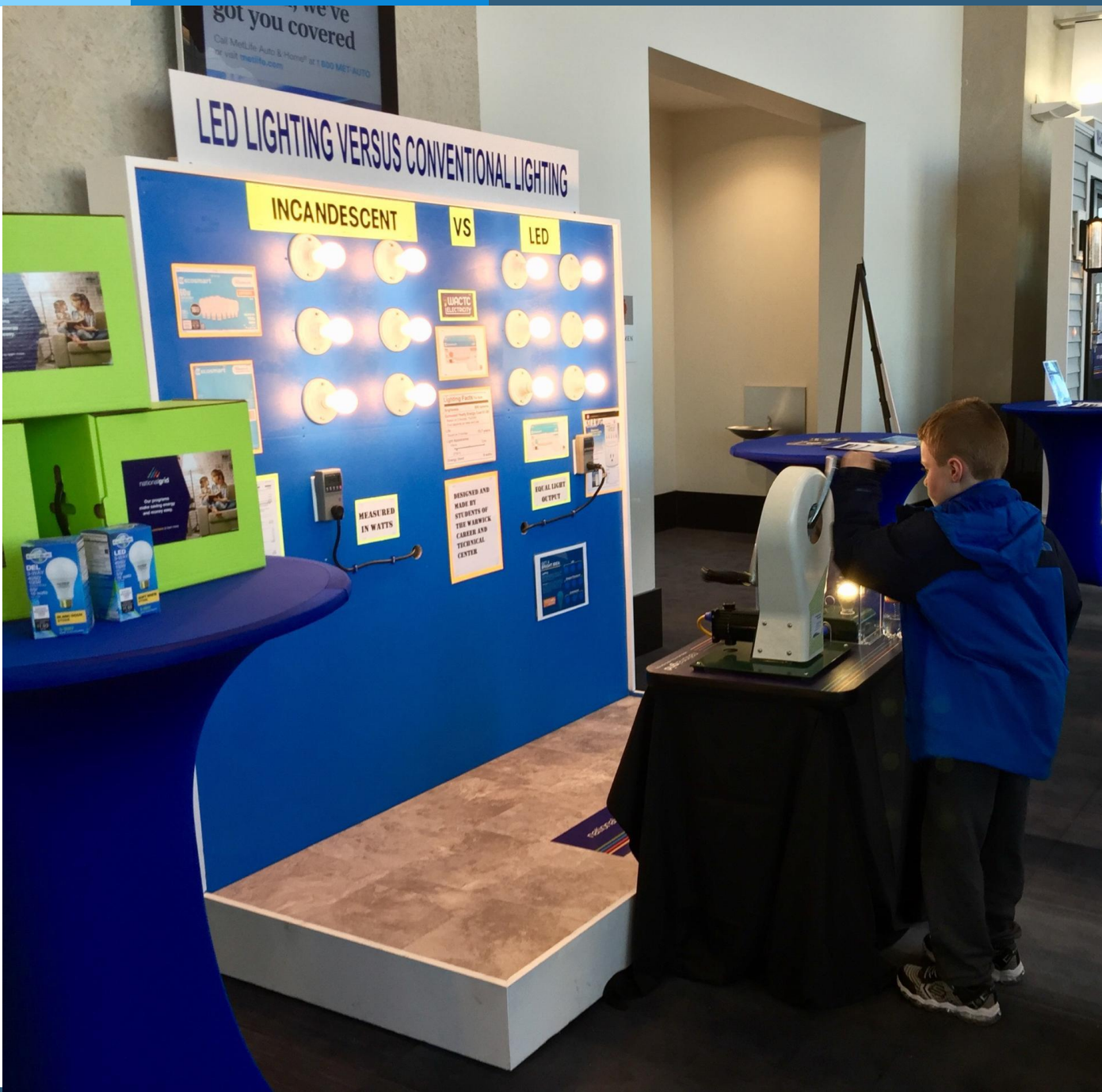
nationalgrid



WINDOW AIR CONDITIONER VS. THE MINI-SPLIT

nationalgrid





The EERMC's 2018 Public Education Event

April 11, 2018

Agenda & Speakers:

The Benefits of Energy Efficiency

Scott Johnstone, Northeast Energy Efficiency Partnerships (NEEP)

How Energy Efficiency Supports State Goals

Nick Ucci, RI Office of Energy Resources

How Rhode Island Businesses Benefit from Efficiency Programs

J Jerue, Rhode Island College

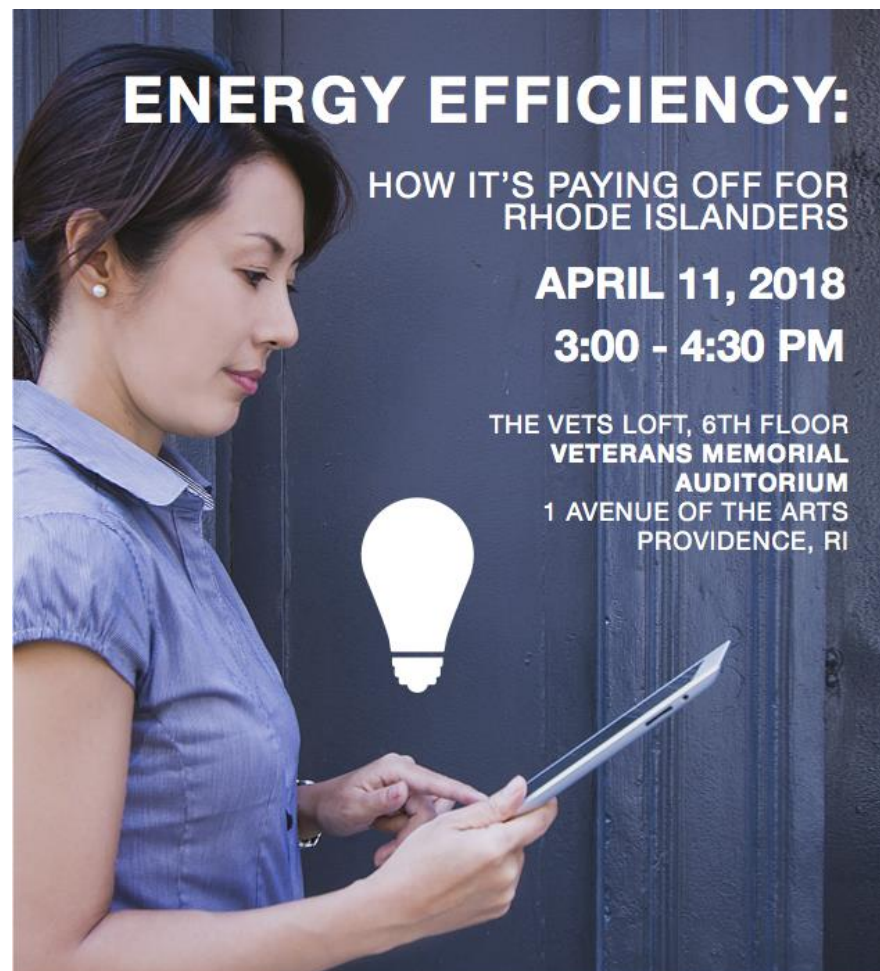
Local Economic Benefits

Vin Graziano, RISE Engineering
Jim Mixner, Restivo's HVAC

What More Can We All Do?

Christopher Powell, Chair, RI EERMC

Networking








STATE OF RHODE ISLAND
**ENERGY EFFICIENCY &
RESOURCE MANAGEMENT COUNCIL**





Why should I....
care about energy efficiency?

Energy efficiency gives you the same performance from your appliances, while using less electricity. This **saves money** every month!


Using less energy also reduces greenhouse gas emissions and improves air quality, which makes us **happy and healthy**.

Energy-efficient appliances, electronics, and lighting can also help you **feel more comfortable** in your home or business.


You can take advantage of energy efficiency programs **right now**. www.energy.ri.gov/energy-efficiency/

The Rhode Island Energy Efficiency & Resource Management Council (EERMC) is a group of stakeholders that represents all Rhode Islanders to ensure the utility is investing in the least expensive energy resource – energy efficiency. Learn more at www.eermc.ri.gov


3 Ways you can join the energy efficiency conversation



Learn about energy efficiency policies and programs in Rhode Island: www.eermc.ri.gov and www.energy.ri.gov



Attend a public EERMC meeting about energy efficiency. Meeting schedules and materials are available online: www.eermc.ri.gov




Public comment is welcome at all EERMC meetings. We want to hear from you!

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Division of Energy Services
Energy Efficiency & Resource Management Council

Benefits of Energy Efficiency in Rhode Island



Driving the local economy with over \$2.3 billion in economic benefits since 2006

Every \$1 invested in energy efficiency puts \$4.20 back into Rhode Island's economy

Preventing 7 million tons of greenhouse gas emissions over the life of energy efficiency improvements






Equivalent to taking nearly 1.5 million passenger cars off the road for one year

Saving \$1 billion on utility bills. Energy efficiency helps keep costs down to maintain grid infrastructure, and keeps rates down for all Rhode Islanders

Supporting over 8,000 local jobs. Over 700 Rhode Island businesses are in the energy efficiency industry

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Why does my utility...
care about energy efficiency?

Rhode Island law **requires** the utility to invest in energy efficiency if it's cheaper than purchasing more power.

If we all use less, then we lower energy bills for **everyone**. Using less energy reduces costs to maintain infrastructure.

Your utility's profits are determined by the cost to maintain the energy grid, **NOT** by how much electricity it sells.

You can take advantage of energy efficiency programs and **save money**. www.eermc.ri.gov/energy-efficiency/

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One-Pagers

BOC Training



ENROLL TODAY

**SAVE ENERGY AND
MONEY TOMORROW**

Space is limited!

Register online: theBOC.info
Or email energysaver@email.com

Cranston, RI

Taco Comfort Solutions
1160 Cranston St.,
Cranston, RI 02920



**FULL
TUITION REIMBURSEMENT
MAY BE AVAILABLE!**

Building Operator Certification is a classroom and hands-on training and certification program that delivers immediate results for building owners, operators and occupants. With BOC training, you become an industry expert in energy efficiency.

Fall 2018 Class Schedule

9/25-26	Energy Efficient Operation of Building HVAC Systems
10/25	Measuring and Benchmarking Energy Performance
10/30	Efficient Lighting Fundamentals
11/27	HVAC Controls Fundamentals
11/28	Indoor Environmental Quality
12/11	Common Opportunities for Low-Cost Operational Improvement
12/12	Operation & Maintenance Practices for Sustainable Buildings
TBA	BOC Certification Examination

Qualifying candidates may receive tuition reimbursement! School, municipal, affordable housing, and certain non-profit/community-based organization facility managers may qualify for 100% tuition reimbursement conditional on passing the course and subject to available funding. Partial tuition reimbursement may be available for large building operators. Contact energysaver@email.com to find out if you qualify.

This opportunity is funded in part by the EE Charge on utility bills and by the Energy Efficiency and Resource Management Council.

EARN THE ESSENTIAL CREDENTIAL IN ENERGY EFFICIENCY

Building Operator Certification is a **classroom and hands-on training and certification program** that delivers immediate results for building owners, operators and occupants.

Since 1996 BOC® has helped building operators increase their skill levels in energy efficient building maintenance. The training curriculum aligns with the U.S. Department of Energy's 2011 skill standard for operating engineers and building technicians. Created and validated by industry experts and practitioners, BOC is the only credential program that verifies energy savings via third party analysis, and the only program to require completion of hand-on projects.

ROI FOR BUILDING OWNERS.

BOC-credentialed operators can save their buildings **\$20,000** in annual utility costs through energy conservation measures (data verified by third party research). Plus, there's no maturation phase – the savings are instant and continuous.



IMPACT YOUR BUILDING & YOUR CAREER.

BOC Level I & Level II training in HVAC, lighting and building controls helps you do more, and get more done at work. Building operators with BOC credentials are more likely to be hired, promoted and valued in their jobs.

In both Level I & II, students demonstrate knowledge of their own building by completing projects involving documentation of building equipment, systems and controls; benchmarking the building's performance using ENERGY STAR® Portfolio Manager™; updating occupancy profiles; reviewing HVAC systems and operation and mapping the facility's electrical distributions system.

WHO SHOULD ENROLL?

Operating engineers, building technicians, maintenance mechanics and others in the skilled trades.



BUILDING SYSTEMS MAINTENANCE

74 hour program for operators with two or more years on the job.

Attend **8** one-day classes in building systems, energy conservation, HVAC, lighting and electrical.

Complete projects at your own facility.



EQUIPMENT TROUBLESHOOTING & MAINTENANCE

61 hour program for operators with five or more years on the job.

Attend **7** one-day classes, discussions, small group exercises, and facility tours.

Learn preventive maintenance, advanced electrical diagnostics, HVAC optimization and more.



LEARN. LEAD. SUSTAIN.

With BOC training, you become an industry expert in energy efficiency. You can grow your expertise by exploring BOC's strategic partnerships with other national leaders in energy conservation. In fact, BOC training also counts towards BOMI's SMT and SMA designations. Details are available at TheBOC.info.

BOC also provides a regular slate of continuing education webinars that explore the latest techniques in demand reduction, lighting, indoor air quality and other critical O&M topics. Each live webinar provides 1.5 points towards maintenance of your credential.

Take advantage of group rates by enrolling multiple BOC trainees.

**TO SIGN UP FOR TRAINING VISIT
THEBOC.INFO OR
CALL US AT 877.850.4793**



National Energy Education Development (NEED)



Workshop Dates:
May 30, 2018
October 23, 2018
November 13, 2018
December 11, 2018

Rhode Island Energy Workshop
May 30, 2018
Scituate High School
94 Trimtown Road
North Scituate, RI 02857

- 8:00 a.m. Registration**
Pick up NEED materials and workshop supplies. Continental breakfast will be served. NEED curriculum kits are sponsored for each teacher attending the workshop.
- 8:30 a.m. Welcome!**
Meet your fellow participants and the sponsors of today's workshop. Review goals and objectives for the workshop and begin planning ways to use the NEED materials and training in your school.
- 9:00 a.m. Forms of Energy and Energy Transformations and The Science of Electricity**
After a brief refresh on the forms of energy and energy transformations, learn more about the forms of energy while experimenting with the NEED Project's Science of Electricity activity.
- 10:30 a.m. Electric Connections and Energy Round Up**
- 11:00 a.m. Baseload Balance**
This activity demonstrates how electricity supply is transmitted on the electric grid to consumers. It explores the differences between baseload and peak demand power, and how power companies maintain supply to ensure customers have power as they need it.
- 11:45 a.m. Lunch and Learn**
- Learn about National Grid's Innovation Hub as a location for school trips
 - Understand how energy efficiency can help with costs related to baseload and peak demand
 - Learn about Rhode Island's national leadership in energy efficiency
 - Why should I care about EE? Why does my utility care about EE?
 - Learn about National Grid Energy Efficiency Programs that are available for schools, and residential homes
- 12:30 p.m. Monitoring and Measuring Energy Use at Home and at School**
Explore energy use at home and at school. Learn the science behind energy efficiency and simple ways to reduce energy use and energy cost at home and at school.
- 2:15 p.m. Other Resources, Evaluation, Curriculum Orders and Wrap Up**
Complete Workshop Evaluations, Post-workshop assessment, receive substitute reimbursement forms, and complete Order Forms for Curriculum and Kits
- 3:00 p.m. Adjourn**

Special thanks to the Rhode Island Energy Efficiency and Resource Management Council (EERMC) for supporting today's workshop. Learn more about the EERMC at:

<https://rieermc.ri.gov/>

Energy Education Needs Assessment



Needs Assessment for Energy Education

RFP# EERMC-2017-03

A Proposal to The Rhode Island Energy
Efficiency and Resource Management
Council (EERMC)

Submitted by Evergreen Economics

January 31, 2018

TECHNICAL PROPOSAL

- Link to online business survey:
https://evergreenecon.co1.qualtrics.com/jfe/form/SV_bedqSTn6wTkf1w9
- Currently interviewing
- Results by January/February 2019

Farm Energy Education



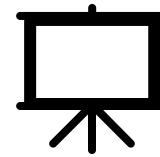
Network at
farmers
markets



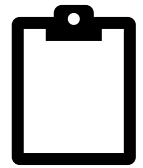
Present at
farm energy
workshops



Build a strong
social media
presence



Produce a
farm energy
video



Develop a
common
application



Appraiser Training

Among the 50+ participants were professionals from all corners of Rhode Island, as well as RI- license holding appraisers from Connecticut and Massachusetts, including:

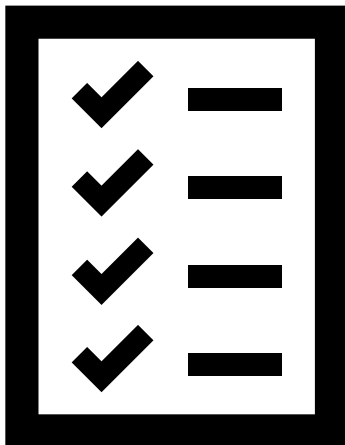
- Residential and commercial real estate appraisers
- Municipal tax assessors
- Real estate brokers
- Appraisal management company reviewers
- Bank review appraisers

Due to reduced tuition, the program attracted over 50 participants.

**Instructor: Sandy Adomatis, SRA, LEED Green Associate
Adomatis Appraisal Service**



Summary



1. Energy Expo Sponsorship
2. Energy Efficiency Public Education Event
3. Creation of One-Pagers
4. BOC Trainings
5. NEED Funding
6. Energy Education Needs Assessment
7. Farm Energy Education/Outreach
8. Appraiser Training